HW-42
EPA Validated Data Summary Report
Dimock Residential Sampling
Sample Date: 2/2/2012

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW42z	1-Butanol	10,000.00	U	ug/L	1,500.00	ug/L				
HW42	1-Propanol	10,000.00	U	ug/L						
HW42z	1-Propanol	10,000.00	U	ug/L						
HW42	2-Butanol	10,000.00	U	ug/L						
HW42z	2-Butanol	10,000.00	U	ug/L						
HW42	Ethanol	10,000.00	U	ug/L						
HW42z	Ethanol	10,000.00	U	ug/L						
HW42	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW42z	Methanol	10,000.00	U	ug/L	7,800.00	ug/L				
HW42	Anionic Surfactants	0.01	U	mg/L						
HW42z	Anionic Surfactants	0.01	U	mg/L						
HW42	Heterotrophic Plate Count		R	cfu/1mL						
HW42z	Heterotrophic Plate Count		R	cfu/1mL						
HW42	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW42z	Total Coliform Bacteria	1.00	U	cfu/100mL	0.00	cfu/100mL	5.00 %*			
HW42	Ethane	1.20	U	ug/L						
HW42z	Ethane	1.20	U	ug/L						
HW42	Ethene	1.10	U	ug/L						
HW42z	Ethene	1.10	U	ug/L						
HW42	Methane	6.20	U	ug/L	28,000.00	ug/L				
HW42z	Methane	18.00	J	ug/L	28,000.00	ug/L				
HW42	2-Butoxyethanol	5.00	U	ug/L						
HW42z	2-Butoxyethanol	5.00	U	ug/L						

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Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW42	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW42z	2-Methoxyethanol	60.00 U ug/L		78.00 ug/L				
HW42z	2-Methoxyethanol	10.00 U ug/L		78.00 ug/L				
HW42	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW42	Diethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW42z	Diethylene Glycol	50.00 U ug/L		8,000.00 ug/L				
HW42z	Diethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW42	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW42z	Ethanol, 2-ethoxy-	10,000.00 U ug/L						
HW42	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW42z	Ethanol, 2-methoxy-	10,000.00 U ug/L		78.00 ug/L				
HW42	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW42	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW42z	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW42z	Ethylene glycol	10,000.00 U ug/L		31,000.00 ug/L				
HW42	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW42z	Tetraethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW42	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW42	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW42z	Triethylene glycol	10,000.00 U ug/L		8,000.00 ug/L				
HW42z	Triethylene glycol	25.00 U ug/L		8,000.00 ug/L				
HW42	Bromide	0.50 U mg/L						
HW42z	Bromide	0.50 U mg/L						
HW42	Chloride	14.20 mg/L				250.00 mg/L		250.00 mg/L
HW42z	Chloride	14.10 mg/L				250.00 mg/L		250.00 mg/L
HW42	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW42z	Fluoride	0.10 U mg/L		0.62 mg/L	4.00 mg/L	2.00 mg/L	2.00 mg/L	
HW42	Sulfate	8.92 mg/L				250.00 mg/L		250.00 mg/L

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Sulfate	8.95	mg/L			250.00 mg/L		250.00 mg/L
HW42	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW42-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW42z	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW42z-F	Mercury	0.20 U	ug/L	4.30 ug/L	2.00 ug/L		2.00 ug/L	
HW42	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW42-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW42z	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW42z-F	Aluminum	30.00 U	ug/L	16,000.00 ug/L		200.00 ug/L		200.00 ug/L
HW42	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW42-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW42z	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW42z-F	Antimony	2.00 U	ug/L	6.00 ug/L	6.00 ug/L		6.00 ug/L	
HW42	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW42-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW42z	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW42z-F	Arsenic	1.00 U	ug/L	4.50 ug/L	10.00 ug/L		10.00 ug/L	
HW42	Barium	30.90	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW42-F	Barium	29.80	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW42z	Barium	29.70	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW42z-F	Barium	29.10	ug/L	2,900.00 ug/L	2,000.00 ug/L		2,000.00 ug/L	
HW42	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW42-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW42z	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW42z-F	Beryllium	1.00 U	ug/L	16.00 ug/L	4.00 ug/L		4.00 ug/L	
HW42	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW42-F	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW42z	Boron	50.00 U	ug/L	3,100.00 ug/L				
HW42z-F	Boron	50.00 U	ug/L	3,100.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW42-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW42z	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW42z-F	Cadmium	1.00 U	ug/L	6.90 ug/L	5.00 ug/L		5.00 ug/L	
HW42	Calcium	7,970.00	ug/L					
HW42-F	Calcium	7,840.00	ug/L					
HW42z	Calcium	8,000.00	ug/L					
HW42z-F	Calcium	8,140.00	ug/L					
HW42	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW42-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW42z	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW42z-F	Chromium	2.00 U	ug/L	3.10 ug/L	100.00 ug/L		100.00 ug/L	
HW42	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW42-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW42z	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW42z-F	Cobalt	1.00 U	ug/L	4.70 ug/L				
HW42	Copper	40.10	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW42-F	Copper	34.40	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW42z	Copper	31.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW42z-F	Copper	29.80	ug/L	620.00 ug/L	1,300.00 ug/L**	1,000.00 ug/L	1,000.00 ug/L***	
HW42	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW42-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW42z	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW42z-F	Iron	100.00 U	ug/L	11,000.00 ug/L		300.00 ug/L		300.00 ug/L
HW42	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW42-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW42z	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW42z-F	Lead	1.00 U	ug/L	15.00 ug/L	15.00 ug/L**		5.00 ug/L***	
HW42	Lithium	200.00 U	ug/L	31.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42-F	Lithium	200.00 U ug/L		31.00 ug/L				
HW42z	Lithium	200.00 U ug/L		31.00 ug/L				
HW42z-F	Lithium	200.00 U ug/L		31.00 ug/L				
HW42	Magnesium	1,500.00 ug/L						
HW42-F	Magnesium	1,470.00 ug/L						
HW42z	Magnesium	1,490.00 ug/L						
HW42z-F	Magnesium	1,520.00 ug/L						
HW42	Manganese	1.00 U ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW42-F	Manganese	1.00 U ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW42z	Manganese	1.00 U ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW42z-F	Manganese	1.00 U ug/L		320.00 ug/L		50.00 ug/L		50.00 ug/L
HW42	Nickel	1.00 U ug/L		300.00 ug/L				
HW42-F	Nickel	1.00 U ug/L		300.00 ug/L				
HW42z	Nickel	1.00 U ug/L		300.00 ug/L				
HW42z-F	Nickel	1.00 U ug/L		300.00 ug/L				
HW42	Potassium	2,000.00 U ug/L						
HW42-F	Potassium	2,000.00 U ug/L						
HW42z	Potassium	2,000.00 U ug/L						
HW42z-F	Potassium	2,000.00 U ug/L						
HW42	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW42-F	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW42z	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW42z-F	Selenium	5.00 U ug/L		78.00 ug/L	50.00 ug/L		50.00 ug/L	
HW42	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW42-F	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW42z	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW42z-F	Silver	1.00 U ug/L		71.00 ug/L		100.00 ug/L		100.00 ug/L
HW42	Sodium	11,700.00 ug/L		20,000.00 ug/L				
HW42-F	Sodium	11,500.00 ug/L		20,000.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Sodium	11,700.00 ug/L		20,000.00 ug/L				
HW42z-F	Sodium	11,900.00 ug/L		20,000.00 ug/L				
HW42	Strontium	200.00 U ug/L		9,300.00 ug/L				
HW42-F	Strontium	200.00 U ug/L		9,300.00 ug/L				
HW42z	Strontium	200.00 U ug/L		9,300.00 ug/L				
HW42z-F	Strontium	200.00 U ug/L		9,300.00 ug/L				
HW42	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW42-F	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW42z	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW42z-F	Thallium	1.00 U ug/L		0.16 ug/L	2.00 ug/L		2.00 ug/L	
HW42	Tin	200.00 U ug/L		9,300.00 ug/L				
HW42-F	Tin	200.00 U ug/L		9,300.00 ug/L				
HW42z	Tin	200.00 U ug/L		9,300.00 ug/L				
HW42z-F	Tin	200.00 U ug/L		9,300.00 ug/L				
HW42	Titanium	200.00 U ug/L						
HW42-F	Titanium	200.00 U ug/L						
HW42z	Titanium	200.00 U ug/L						
HW42z-F	Titanium	200.00 U ug/L						
HW42	Uranium	1.00 U ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW42-F	Uranium	1.00 U ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW42z	Uranium	1.00 U ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW42z-F	Uranium	1.00 U ug/L		47.00 ug/L	30.00 ug/L		30.00 ug/L	
HW42	Vanadium	5.00 U ug/L		78.00 ug/L				
HW42-F	Vanadium	5.00 U ug/L		78.00 ug/L				
HW42z	Vanadium	5.00 U ug/L		78.00 ug/L				
HW42z-F	Vanadium	5.00 U ug/L		78.00 ug/L				
HW42	Zinc	5.50 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW42-F	Zinc	5.20 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW42z	Zinc	5.50 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z-F	Zinc	4.40 ug/L		4,700.00 ug/L		5,000.00 ug/L		5,000.00 ug/L
HW42	Oil and Grease	5.00 UJ mg/L						
HW42z	Oil and Grease	5.00 UJ mg/L						
HW42	Total Dissolved Solids	52.00 mg/L				500.00 mg/L		500.00 mg/L
HW42z	Total Dissolved Solids	34.00 mg/L				500.00 mg/L		500.00 mg/L
HW42	Total Suspended Solids	10.00 U mg/L						
HW42z	Total Suspended Solids	10.00 U mg/L						
HW42	1-Methylnaphthalene	5.00 U ug/L		97.00 ug/L				
HW42z	1-Methylnaphthalene	5.00 U ug/L		97.00 ug/L				
HW42	Acenaphthene	60.00 U ug/L		400.00 ug/L				
HW42z	Acenaphthene	60.00 U ug/L		400.00 ug/L				
HW42	Acenaphthylene	5.00 U ug/L						
HW42z	Acenaphthylene	5.00 U ug/L						
HW42	Acetophenone	5.00 U ug/L		1,500.00 ug/L				
HW42z	Acetophenone	5.00 U ug/L		1,500.00 ug/L				
HW42	Anthracene	5.00 U ug/L		1,300.00 ug/L				
HW42z	Anthracene	5.00 U ug/L		1,300.00 ug/L				
HW42	Atrazine	5.00 U ug/L		26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW42z	Atrazine	5.00 U ug/L		26.00 ug/L	3.00 ug/L		3.00 ug/L	
HW42	Benzo(a)anthracene	5.00 U ug/L		2.90 ug/L				
HW42z	Benzo(a)anthracene	5.00 U ug/L		2.90 ug/L				
HW42	Benzo(a)pyrene	5.00 U ug/L		0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW42z	Benzo(a)pyrene	5.00 U ug/L		0.29 ug/L	0.20 ug/L		0.20 ug/L	
HW42	Biphenyl	5.00 U ug/L						
HW42z	Biphenyl	5.00 U ug/L						
HW42	Bromophenyl-4 Phenyl Ether	60.00 U ug/L						
HW42z	Bromophenyl-4 Phenyl Ether	60.00 U ug/L						
HW42	Butylbenzyl phthalate	5.00 U ug/L		1,400.00 ug/L				
HW42z	Butylbenzyl phthalate	5.00 U ug/L		1,400.00 ug/L				

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW42z	Caprolactam	5.00	U	ug/L	7,700.00	ug/L				
HW42	Carbazole	5.00	U	ug/L						
HW42z	Carbazole	5.00	U	ug/L						
HW42	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW42z	Chlorobenzenamine-4	5.00	U	ug/L	3.20	ug/L				
HW42	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW42z	Chloronaphthalene-2	5.00	U	ug/L	550.00	ug/L				
HW42	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW42z	Chlorophenol-2	5.00	U	ug/L	71.00	ug/L				
HW42	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW42z	Chlorophenyl-4 phenyl ether	5.00	U	ug/L						
HW42	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW42z	Chrysene	5.00	U	ug/L	290.00	ug/L				
HW42	Cresol, parachloro meta-	5.00	U	ug/L						
HW42z	Cresol, parachloro meta-	5.00	U	ug/L						
HW42	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW42z	Cresol-4,6-dinitro-ortho	60.00	U	ug/L						
HW42	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW42z	Cresol-o	5.00	U	ug/L	720.00	ug/L				
HW42	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW42z	Cresol-p	5.00	U	ug/L	72.00	ug/L				
HW42	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW42z	Dibenz(a,h)anthracene	5.00	U	ug/L	0.29	ug/L				
HW42	Dibenzofuran	5.00	U	ug/L						
HW42z	Dibenzofuran	5.00	U	ug/L						
HW42	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW42z	Dichlorobenzidine-3,3'	5.00	U	ug/L	11.00	ug/L				
HW42	Dichlorophenol-2,4	5.00	U	ug/L	35.00	ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Dichlorophenol-2,4	5.00 U ug/L		35.00 ug/L				
HW42	Dimethylphenol, 2,4-	5.00 U ug/L		270.00 ug/L				
HW42z	Dimethylphenol, 2,4-	5.00 U ug/L		270.00 ug/L				
HW42	Dinitrophenol-2,4	60.00 U ug/L		30.00 ug/L				
HW42z	Dinitrophenol-2,4	60.00 U ug/L		30.00 ug/L				
HW42	Dinitrotoluene-2,4	5.00 U ug/L						
HW42z	Dinitrotoluene-2,4	5.00 U ug/L						
HW42	Dinitrotoluene-2,6	60.00 U ug/L						
HW42z	Dinitrotoluene-2,6	60.00 U ug/L						
HW42	Ether, bis(2-chloroethyl)	5.00 U ug/L		1.20 ug/L				
HW42z	Ether, bis(2-chloroethyl)	5.00 U ug/L		1.20 ug/L				
HW42	Ether-bis(2-chloroisopropyl)	60.00 U ug/L						
HW42z	Ether-bis(2-chloroisopropyl)	60.00 U ug/L						
HW42	Fluoranthene	5.00 U ug/L		630.00 ug/L				
HW42z	Fluoranthene	5.00 U ug/L		630.00 ug/L				
HW42	Fluoranthene benzo(k)	5.00 U ug/L		29.00 ug/L				
HW42z	Fluoranthene benzo(k)	5.00 U ug/L		29.00 ug/L				
HW42	Fluoranthene-benzo(b)	5.00 U ug/L		5.60 ug/L				
HW42z	Fluoranthene-benzo(b)	5.00 U ug/L		5.60 ug/L				
HW42	Fluorene	60.00 U ug/L		220.00 ug/L				
HW42z	Fluorene	60.00 U ug/L		220.00 ug/L				
HW42	Hexachlorobenzene	5.00 U ug/L		4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW42z	Hexachlorobenzene	5.00 U ug/L		4.20 ug/L	1.00 ug/L		1.00 ug/L	
HW42	Hexachlorobutadiene	5.00 U ug/L		26.00 ug/L				
HW42	Hexachlorobutadiene	0.50 U ug/L		26.00 ug/L				
HW42z	Hexachlorobutadiene	0.50 U ug/L		26.00 ug/L				
HW42z	Hexachlorobutadiene	5.00 U ug/L		26.00 ug/L				
HW42	Hexachlorocyclopentadiene	5.00 U ug/L		22.00 ug/L	50.00 ug/L		50.00 ug/L	
HW42z	Hexachlorocyclopentadiene	5.00 U ug/L		22.00 ug/L	50.00 ug/L		50.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW42z	Hexachloroethane	5.00 U	ug/L	5.10 ug/L				
HW42	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW42z	Isophorone	5.00 U	ug/L	6,700.00 ug/L				
HW42	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW42z	Methane, bis(2-chloroethoxy)	5.00 U	ug/L	47.00 ug/L				
HW42	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW42z	Methylnaphthalene-2	5.00 U	ug/L	27.00 ug/L				
HW42	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW42	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW42z	Naphthalene	0.50 U	ug/L	14.00 ug/L				
HW42z	Naphthalene	5.00 U	ug/L	14.00 ug/L				
HW42	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW42z	Nitroaniline, ortho	5.00 U	ug/L	150.00 ug/L				
HW42	Nitroaniline-3	5.00 U	ug/L					
HW42z	Nitroaniline-3	5.00 U	ug/L					
HW42	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW42z	Nitrobenzenamine-4	5.00 U	ug/L	61.00 ug/L				
HW42	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW42z	Nitrobenzene	5.00 U	ug/L	12.00 ug/L				
HW42	Nitrophenol-2	5.00 U	ug/L					
HW42z	Nitrophenol-2	5.00 U	ug/L					
HW42	Nitrophenol-4	10.00 U	ug/L					
HW42z	Nitrophenol-4	10.00 U	ug/L					
HW42	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW42z	Nitrosodimethylamine-n	5.00 U	ug/L	0.04 ug/L				
HW42	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW42z	Nitrosodiphenylamine-n	5.00 U	ug/L	1,000.00 ug/L				
HW42	Pentachlorophenol	60.00 U	ug/L	17.00 ug/L	1.00 ug/L		1.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Pentachlorophenol	60.00 U ug/L		17.00 ug/L	1.00 ug/L		1.00 ug/L	
HW42	Perylene-benzo(ghi)	5.00 U ug/L						
HW42z	Perylene-benzo(ghi)	5.00 U ug/L						
HW42	Phenanthrene	60.00 U ug/L						
HW42z	Phenanthrene	60.00 U ug/L						
HW42	Phenol	5.00 U ug/L		4,500.00 ug/L				
HW42z	Phenol	5.00 U ug/L		4,500.00 ug/L				
HW42	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L		7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW42z	Phthalate, bis(2-ethylhexyl) (DEHP)	5.00 U ug/L		7.10 ug/L	6.00 ug/L		6.00 ug/L	
HW42	Phthalate, Dimethyl	5.00 U ug/L		1,400.00 ug/L				
HW42z	Phthalate, Dimethyl	5.00 U ug/L		1,400.00 ug/L				
HW42	Phthalate, di-n-butyl-	5.00 U ug/L		670.00 ug/L				
HW42z	Phthalate, di-n-butyl-	5.00 U ug/L		670.00 ug/L				
HW42	Phthalate, di-n-octyl	5.00 U ug/L						
HW42z	Phthalate, di-n-octyl	5.00 U ug/L						
HW42	Phthalate-diethyl	5.00 U ug/L		11,000.00 ug/L				
HW42z	Phthalate-diethyl	5.00 U ug/L		11,000.00 ug/L				
HW42	Propylamine,n-nitroso di-n-	5.00 U ug/L		0.93 ug/L				
HW42z	Propylamine,n-nitroso di-n-	5.00 U ug/L		0.93 ug/L				
HW42	Pyrene	60.00 U ug/L		87.00 ug/L				
HW42z	Pyrene	60.00 U ug/L		87.00 ug/L				
HW42	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L		3.00 ug/L				
HW42z	Pyrene-indeno(1,2,3-cd)	5.00 U ug/L		3.00 ug/L				
HW42	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L		1.20 ug/L				
HW42z	Tetrachlorobenzene, 1,2,4,5-	5.00 U ug/L		1.20 ug/L				
HW42	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L		170.00 ug/L				
HW42z	Tetrachlorophenol, 2,3,4,6-	5.00 U ug/L		170.00 ug/L				
HW42	Trichlorophenol-2,4,5	5.00 U ug/L		890.00 ug/L				
HW42z	Trichlorophenol-2,4,5	5.00 U ug/L		890.00 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW42z	Trichlorophenol-2,4,6	5.00 U	ug/L	9.04 ug/L				
HW42	TPH - Diesel Range Organics	250.00 U	ug/L					
HW42z	TPH - Diesel Range Organics	270.00 U	ug/L					
HW42	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW42z	TPH - Gasoline Range Organics	50.00 U	ug/L					
HW42	TPH - Oil Range Organics	1,000.00 U	ug/L					
HW42z	TPH - Oil Range Organics	1,100.00 U	ug/L					
HW42	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW42z	1,2-Dibromo-3-chloropropane (DBCP)	0.50 U	ug/L	0.03 ug/L	0.20 ug/L		0.20 ug/L	
HW42	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW42z	4-Methyl-2-pentanone	2.00 U	ug/L	1,000.00 ug/L				
HW42	Acetone	2.00 U	ug/L					
HW42z	Acetone	2.00 U	ug/L					
HW42	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42z	Benzene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42	Bromobenzene	0.50 U	ug/L					
HW42z	Bromobenzene	0.50 U	ug/L					
HW42	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42z	Bromoform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42	Butylbenzene	0.50 U	ug/L					
HW42z	Butylbenzene	0.50 U	ug/L					
HW42	Butylbenzene, sec-	0.50 U	ug/L					
HW42z	Butylbenzene, sec-	0.50 U	ug/L					
HW42	Butylbenzene, tert-	0.50 U	ug/L					
HW42z	Butylbenzene, tert-	0.50 U	ug/L					
HW42	Carbon disulfide	0.50 U	ug/L					
HW42z	Carbon disulfide	0.50 U	ug/L					
HW42	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Carbon Tetrachloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW42z	Chlorobenzene	0.50 U	ug/L		100.00 ug/L			
HW42	Chlorobromomethane	0.50 U	ug/L					
HW42z	Chlorobromomethane	0.50 U	ug/L					
HW42	Chloroethane	0.50 U	ug/L					
HW42z	Chloroethane	0.50 U	ug/L					
HW42	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42z	Chloroform	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW42z	Chlorotoluene	0.50 U	ug/L	180.00 ug/L				
HW42	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW42z	Chlorotoluene-p	0.50 U	ug/L	190.00 ug/L				
HW42	Cyclohexane	0.50 UJ	ug/L					
HW42z	Cyclohexane	0.50 UJ	ug/L					
HW42	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42z	Dibromochloromethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW42z	Dibromoethane-1,2	0.50 U	ug/L	0.65 ug/L	0.05 ug/L		0.05 ug/L	
HW42	Dibromomethane	0.50 U	ug/L					
HW42z	Dibromomethane	0.50 U	ug/L					
HW42	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW42z	Dichlorobenzene-1,2	0.50 U	ug/L	280.00 ug/L	600.00 ug/L		600.00 ug/L	
HW42	Dichlorobenzene-1,3	0.50 U	ug/L					
HW42z	Dichlorobenzene-1,3	0.50 U	ug/L					
HW42	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW42z	Dichlorobenzene-1,4	0.50 U	ug/L	42.00 ug/L	75.00 ug/L		75.00 ug/L	
HW42	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	
HW42z	Dichlorobromomethane	0.50 U	ug/L		80.00 ug/L		80.00 ug/L	

Sample Number	Analyte	Result			Trigger Levels		EPA Primary MCLs		EPA Secondary MCLs	DEP Primary MCLs		DEP Secondary MCLs	
HW42	Dichlorodifluoromethane	0.50	U	ug/L									
HW42z	Dichlorodifluoromethane	0.50	U	ug/L									
HW42	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L							
HW42z	Dichloroethane-1,1	0.50	U	ug/L	240.00	ug/L							
HW42	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L		
HW42z	Dichloroethane-1,2	0.50	U	ug/L	15.00	ug/L	5.00	ug/L		5.00	ug/L		
HW42	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L		
HW42z	Dichloroethene-1,2 trans	0.50	U	ug/L			100.00	ug/L		100.00	ug/L		
HW42	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L		
HW42z	Dichloroethylene-1,1	0.50	U	ug/L			7.00	ug/L		7.00	ug/L		
HW42	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L		
HW42z	Dichloroethylene-1,2 cis	0.50	U	ug/L			70.00	ug/L		70.00	ug/L		
HW42	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L		
HW42z	Dichloropropane, 1,2-	0.50	U	ug/L	38.00	ug/L	5.00	ug/L		5.00	ug/L		
HW42	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L							
HW42z	Dichloropropane, 1,3-	0.50	U	ug/L	290.00	ug/L							
HW42	Dichloropropane, 2,2-	0.50	U	ug/L									
HW42z	Dichloropropane, 2,2-	0.50	U	ug/L									
HW42	Dichloropropene, 1,1-	0.50	U	ug/L									
HW42z	Dichloropropene, 1,1-	0.50	U	ug/L									
HW42	Dichloropropene, 1,3 cis-	0.50	U	ug/L									
HW42z	Dichloropropene, 1,3 cis-	0.50	U	ug/L									
HW42	Dichloropropene, 1,3 trans-	0.50	U	ug/L									
HW42z	Dichloropropene, 1,3 trans-	0.50	U	ug/L									
HW42	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L		
HW42z	Ethylbenzene	0.50	U	ug/L			700.00	ug/L		700.00	ug/L		
HW42	Freon 113	0.50	UJ	ug/L									
HW42z	Freon 113	0.50	UJ	ug/L									
HW42	Hexanone, 2-	2.00	U	ug/L	34.00	ug/L							

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Hexanone, 2-	2.00 U	ug/L	34.00 ug/L				
HW42	Isopropylbenzene	0.50 U	ug/L					
HW42z	Isopropylbenzene	0.50 U	ug/L					
HW42	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW42z	Isopropylbenzene-4,methyl-1	0.50 U	ug/L					
HW42	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW42z	m,p-Xylene	1.00 U	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW42	Methyl acetate	0.50 UJ	ug/L					
HW42z	Methyl acetate	0.50 UJ	ug/L					
HW42	Methyl bromide	0.50 U	ug/L					
HW42z	Methyl bromide	0.50 U	ug/L					
HW42	Methyl chloride	0.50 U	ug/L					
HW42z	Methyl chloride	0.50 U	ug/L					
HW42	Methyl cyclohexane	0.50 UJ	ug/L					
HW42z	Methyl cyclohexane	0.50 UJ	ug/L					
HW42	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW42z	Methyl ethyl ketone	2.00 U	ug/L	4,900.00 ug/L				
HW42	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW42z	Methyl tertiary butyl ether (MTBE)	0.50 UJ	ug/L					
HW42	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42z	Methylene chloride	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42	Propylbenzene-n	0.50 U	ug/L					
HW42z	Propylbenzene-n	0.50 U	ug/L					
HW42	Styrene	1.00 UJ	ug/L		100.00 ug/L		100.00 ug/L	
HW42z	Styrene	1.00 UJ	ug/L		100.00 ug/L		100.00 ug/L	
HW42	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW42z	Tetrachloroethane, 1,1,1,2-	0.50 U	ug/L	50.00 ug/L				
HW42	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				
HW42z	Tetrachloroethane, 1,1,2,2-	0.50 U	ug/L	6.60 ug/L				

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42z	Tetrachloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW42z	Toluene	0.50 U	ug/L		1,000.00 ug/L		1,000.00 ug/L	
HW42	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW42z	Trichlorobenzene-1,2,3	0.50 U	ug/L	5.20 ug/L				
HW42	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW42z	Trichlorobenzene-1,2,4	0.50 U	ug/L	5.20 ug/L	70.00 ug/L		70.00 ug/L	
HW42	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW42z	Trichloroethane-1,1,1	0.50 U	ug/L	7,500.00 ug/L	200.00 ug/L		200.00 ug/L	
HW42	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW42z	Trichloroethane-1,1,2	0.50 U	ug/L	0.41 ug/L	5.00 ug/L		5.00 ug/L	
HW42	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42z	Trichloroethylene	0.50 U	ug/L		5.00 ug/L		5.00 ug/L	
HW42	Trichlorofluoromethane	0.50 U	ug/L					
HW42z	Trichlorofluoromethane	0.50 U	ug/L					
HW42	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW42z	Trichloropropane-1,2,3	0.50 U	ug/L	0.07 ug/L				
HW42	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW42z	Trimethylbenzene-1,2,4	0.50 U	ug/L	15.00 ug/L				
HW42	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW42z	Trimethylbenzene-1,3,5	0.50 U	ug/L	87.00 ug/L				
HW42	Vinyl acetate	0.50 U	ug/L					
HW42z	Vinyl acetate	0.50 U	ug/L					
HW42	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW42z	Vinyl chloride	0.50 U	ug/L		2.00 ug/L		2.00 ug/L	
HW42	Xylene-o	1.00 UJ	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW42z	Xylene-o	1.00 UJ	ug/L		10,000.00 ug/L		10,000.00 ug/L	
HW42	Nitrogen, Nitrite + Nitrate	0.93	mg/L		10.00 mg/L		10.00 mg/L	

Sample Number	Analyte	Result		Trigger Levels	EPA Primary MCLs	EPA Secondary MCLs	DEP Primary MCLs	DEP Secondary MCLs
HW42z	Nitrogen, Nitrite + Nitrate	0.91	mg/L		10.00 mg/L		10.00 mg/L	
HW42	Total Nitrogen	1.00 U	mg/L					
HW42z	Total Nitrogen	1.00 J	mg/L					
HW42	Total Phosphorus as P	0.05 U	mg/L					
HW42z	Total Phosphorus as P	0.05 U	mg/L					

* No more than 5.0% samples total coliform-positive in a month. (For water systems that collect fewer than 40 routine samples per month, no more than one sample can be total coliform-positive per month.) Every sample that has total coliform must be analyzed for either fecal coliforms or E. coli if two consecutive TC-positive samples, and one is also positive for E.coli fecal coliforms, system has an acute MCL violation.
** EPA has not established an MCL for lead or copper. Lead and copper are regulated by a Treatment Technique that requires public drinking water systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water system must take additional steps. For lead, the action level is 15 ug/L, and for copper is 1,300 ug/L.
*** The DEP Primary MCLs for lead (5 ug/L) and copper (1,000 ug/L) are applicable only to bottled, vended, retail and bulk water hauling systems, otherwise the DEP uses the federal action levels for lead (15 ug/L), and for copper (1,300 ug/L).
R - Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotropic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis.
MDL - Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.
RL - Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve.
TPH - Total Petroleum Hydrocarbons

Key to EPA Validated Data Summary Report
Dimock Residential Sampling
April 4, 2012

Sample Number – Code that is used to identify the particular sample. See additional information below:

HW## – Identifies the sample location and indicates that it was collected at well head or closest point to the well head

F – Indicates that the sample was filtered following collection. The purpose of filtering the sample is to remove any particulates in order to find what metals are actually dissolved in the water sample.

Z – Identifies a duplicate sample. Duplicate samples are collected for every ten samples collected to test the reproducibility of sampling and analytical procedures.

P – Indicates that the sample was collected at the kitchen tap. In some cases this may be following any treatment that the residence may have.

A/B – Designates which residence the sample was collected for sample locations with multiple residences using the same water source (may be a well or a spring).

RO – Indicated that the sample was collected from a residence containing a reverse osmosis treatment system.

N – Designates that the sample was collected from the new well for locations with multiple wells.

Analyte – General term for a substance in the sample. The lab does testing to find specific analytes, or substance in the water sample. The report lists each analyte that the lab tested for and what amounts were found.

Result and Units – identifies the actual result for the particular analyte and the measurement used for the particular type of sample. The results may include the following units for the various water sample analyses:

µg /L – Micrograms per liter (abbreviated as µg /L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per billion or ppb. Drinking water results are usually reported in µg /L.

mg/L – Milligrams per liter (abbreviated as mg/L) measurements of the mass of the substance per liter of water. This measurement is commonly known as parts per million or ppm.

Key to EPA Validated Data Summary Report
Dimock Residential Sampling
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cfu/100 mL – Total Coliform Bacteria results are reported as colony forming units (cfu) per milliliters of water. Coliform bacteria is not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present.

cfu/1mL – Heterotrophic Plate Count Bacteria (HPC) are reported as colony forming units (cfu) per milliliter of water. HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.

Absent or Present – Fecal Coliform Bacteria are reported as either being Absent or Present. Fecal Coliform Bacteria are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Disease-causing microbes (pathogens) in these wastes can cause diarrhea, cramps, nausea, headaches, or other symptoms. These pathogens may pose a special health risk for infants, young children, and people with severely compromised immune systems.

Validation Result Qualifiers - EPA performs a quality check on the lab results. After this quality check, EPA may mark the measurement of certain analytes with a qualifier to give additional information about the measurement. This information can apply to **1)** how certain EPA is that the lab detected the analyte and **2)** how certain EPA is of the measurement of the analyte once detected. If there is no qualifier by the result, the detection and measurement of the analyte are certain.

U – Indicates that the analyte was not detected. If there is a number next to the U, this number is the amount of analyte that would have to be present to be detected by the lab given the particular method and/or instrumentation.

J – This means that the analyte was detected, but the value of the result is an estimate.

UJ - The U before the J means that the analyte was not detected in the sample, but this result may be inaccurate. Some analyte may be present.

R – Indicates that the data has been rejected. For glycol analyses, data with detected concentrations above the Method Detection Limit (MDL) and less than the Reporting Limit (RL) were rejected due to the laboratory not using a second column and/or gas chromatography with mass spectrometry to confirm the identity of the compound listed. For Heterotrophic Plate Count analysis, data were rejected if the laboratory did not run a method blank (i.e. sterility control) for each series of samples plated to determine whether the test samples could have been contaminated during analysis.

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MDL – Is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the concentration of the substance is greater than zero.

RL – Is the lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions, typically set at the lowest standard in the calibration curve.

Trigger Level – established for this project, the trigger levels are based on risk-based screening levels and/or standards for public water supplies. A yellow highlighted result represents an analytical result greater than the established trigger level. Results exceeding a trigger level are referred to an EPA toxicologist for further review.

EPA Primary MCLs – the primary maximum contaminant levels (MCLs) are legally enforceable standards established under the Safe Drinking Water Act to protect public health by limiting the levels of contaminants in public drinking water systems. The MCL is the amount of an analyte (substance) that can be present in a water sample that the government considers acceptable to drink. EPA considers the MCLs when evaluating results from residential drinking water wells.

EPA Secondary MCLs - secondary MCLs are non-enforceable standards regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. EPA recommends secondary standards to public water systems, but does not require systems to comply. However, states may choose to adopt them as enforceable standards.

DEP MCLs (Primary and Secondary) – Chapter 109, Pennsylvania Safe Drinking Water Regulations, defines MCL as the maximum permissible level of a contaminant in water which is delivered to a user of a public water system, and includes the primary and secondary MCLs established under the Federal Safe Drinking Water Act, and MCLs adopted under the act.